

**Defense Information Infrastructure (DII)  
Common Operating Environment (COE)**

**Version 3.0.1.0**

**Version Description Document  
for the Kernel Patch 3  
(HP-UX 10.20)**

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**NOTE:** Courier font is used to indicate entries to be typed at the keyboard, UNIX commands, file and directory names, and screen text. For example:

The file is located in the `DII_DEV` directory.

## 1. System Overview

The Defense Information Infrastructure (DII) Common Operating Environment (COE) will normally make available a large number of segments, not all of which are required for every application. The DII COE kernel is the minimum set of software required on every workstation regardless of how the workstation will be used. This minimum set of software includes the operating system and windowing services, as well as external environment interfaces. The DII COE Version 3.0.1.0 Kernel Patch 3 for HP-UX 10.20 includes the following enhancements:

### Enhanced printer capabilities:

- C Network printer management
- C Network print queue management
- C Print drivers support
- C Remote printing [Wide Area Network (WAN) and dial-up].

### Resolved problem reports:

- C The COEInstaller can now be run in debug mode.

The problem with not being able to install patches over the network was planned for this release, but subsequent testing showed that this problem had not been addressed. This problem will be addressed in the next DII COE 3.0.1.0 Kernel patch.

## 2. Referenced Documents

The following documents are referenced in this Version Description Document:

- C DII.3200.HP1020.Kernel.VDD-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 Version Description Document for the Kernel (HP-UX 10.20)*, July 25, 1997

- C DII.3200.HP1020.AG-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 System Administrator's Guide (HP-UX 10.20)*, July 25, 1997
- C DII.3200.HP1020.PG-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 Programmer's Guide (HP-UX 10.20)*, July 25, 1997
- C DII.3200.HP1020.RG-1, *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.2.0.0 API Reference Guide (HP-UX 10.20)*, July 25, 1997.

### 3. Version Description

#### 3.1 Inventory of Materials Released

- C Magnetic media: Two 4mm DATs consisting of a relative tar of the DII COE Version 3.0.1.0 Kernel Patch 3 (HP-UX 10.20)
- C Soft-copy Documentation: One 3.5" floppy diskette (WordPerfect 6.0/6.1 for Windows format) containing the *Defense Information Infrastructure (DII) Common Operating Environment (COE) Version 3.0.1.0 Version Description Document for the Kernel Patch 3 (HP-UX 10.20)*, Document Control No. DII.3010.HP1020.KernelP3.VDD-2, August 22, 1997
- C Hard-copy Documentation: Two hard copies of the aforementioned Version Description Document.

#### 3.2 Software Changes

Refer to the following table for a list of software changes for the DII COE Version 3.0.1.0 Kernel Patch 3 (HP-UX 10.20). The software changes are listed in order of INRI Number.

DII COE Version 3.0.1.0 Kernel Patch 3 (HP-UX 10.20) Software Changes	
<b>Total Software Changes: [2]</b>	
<b>INRI Number:</b>	RTO00001931
<b>Agency Number:</b>	D70396
<b>Short Description:</b>	Printer APIs do not work.
<b>Long Description:</b>	DII COE 3.1 & 3.0 Print APIs do not work. In addition, the Print Queue manager is out of sync with the CDE manager. Canceling a print job via the COE print applications does not actually remove it from the queue, even though the COE GUI shows that it has been removed.

DII COE Version 3.0.1.0 Kernel Patch 3 (HP-UX 10.20) Software Changes	
<b>INRI Number:</b>	RTO00001932
<b>Agency Number:</b>	D70380
<b>Short Description:</b>	COEInstaller will not install segments in debug mode.
<b>Long Description:</b>	COEInstaller will not install segments in debug mode. In the debug mode, the COE Installer takes over 90% of the CPU resources and hangs the system. The COE Installer completes installation, but the only way the process can be ended is to "kill" it. This problem has been identified on multiple segments.
<b>Work-around:</b>	Debug mode is to set the display environment variable to unix:0.0. To do this in the cshell, type the following at the command prompt: <pre>setenv DISPLAY unix:0.0.</pre>

GSPR D70341, "Patch segments cannot be installed from the network," was planned for this release, but subsequent testing showed that this problem had not been addressed. This problem will be addressed in the next DII COE 3.0.1.0 Kernel patch.

## 4. Known Problems and Errors

All known problems for the DII COE Print Service in the 3.2.0.0 delivery are valid for this delivery. Refer to the *DII COE Version 3.2.0.0 Version Description Document for the Kernel (HP-UX 10.20)* for a complete list of known problems and errors.

## 5. Release Notes

1. The DII COE Version 3.0.1.0 Kernel Patch 3 (HP-UX 10.20) does not support any previously loaded printer Application Program Interfaces (APIs). Any applications that use the printer APIs must be relinked using the Developer's Toolkit Version 3.0.1.2.
2. Users cannot print to a remote printer using the `lp` command; however, users can print to a remote printer using the Graphical User Interface (GUI).
3. Users cannot disable the banner page for a printout. When attempting to disable banners for `lp`, remote, and local printers, print jobs still print out with banners.
4. Immediately install this kernel patch after the kernel and any prior patches are installed. In particular, it should be installed before any configuration of the system (for example, creating roles and configuring NIS) is done.

5. If this kernel patch is loaded onto a system that is already configured, then when a user exits System Administration roles (except the default role), the system will not inherit any print administration permissions. If these roles require print administration capabilities, they may be modified by a Security Administrator to enable the appropriate access.
6. If this kernel patch is loaded onto a system already configured for NIS, the Print Service will not work because the NIS network service tables will not be updated. To update the NIS service tables, you must load this kernel patch on the NIS master machine, then from a root login shell, run the following commands:

```
cd /var/yp
./ypmake services
```

7. Common Desktop Environment (CDE) drag and drop functionality does not work for individual COE printers on the CDE printers panel. If a printer is dragged from the `Print Manager` to the `Printer control` on the front panel, an icon is created, and this icon can be used to bring up the `Print Manager`. However, files dragged to this icon will not be printed. Files dragged to the "Default" printer icon will be printed successfully.
8. To run the `COEInstaller` in debug mode, you must execute the following command:

```
SegInstallerScripts -d
```
9. Once a printer designated as either the system default or a user default printer is deleted, a new default printer must be selected through the `Print Manager` window.